

Grade 4

Distance Learning Module 7: Week of: May 18<sup>th</sup> – May 22<sup>nd</sup>

## Grade 4 Mathematics      *Modified from [Unit 6 - A Fraction of This, A Multiple of That](#)*

### Targeted Goals from Stage 1: Desired Results

**Content Knowledge:** The strategies learned for multiplication also work for division.

**Vocabulary:** dividend, divisor, quotient, factor, partial quotient

dividend- the number that will be divided in a division problem

divisor- the number in a division problem that divides the dividend

quotient- the result or answer in division; the number of times one quantity goes into another

factor- a whole number that divides evenly into another number

#### **Skills:**

- using what is known about multiplication to solve division problems
- using arrays to model and solve multi-digit division problems

#### **Expectation:**

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
<b>Monday:</b> LIVE lesson: Using an Area Model with blocks for Division  Today your math mission is to solve division problems using an area model with blocks.  Practice Multiplication or Division Facts	You will work with your teacher to solve division problems with an area model using base ten blocks.  Choose a game or activity to practice facts for 5 - 10 minutes. See District website or Fact Fluency Practice Options for ideas.	Use the MLC Number Pieces App to solve the problems $147 \div 7$ and $192 \div 6$ as you did in the LIVE lesson. You do not have to turn anything in today.
<b>Tuesday:</b> Division with an Area Model using graph paper  Today your math mission is to solve division	Watch this video showing the area model for division using graph paper. Then, solve the practice problems.	Solve the problems on the Division Practice Using Graph Paper page. You will need to print it out or use graph paper you may have. When you are finished, take a picture or scan

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
<p>problems using graph paper to draw an area model. You will be successful if you can accurately draw the model on graph paper.</p> <p>Practice Multiplication or Division Facts</p>	<p>Choose a game or activity to practice facts for 5 - 10 minutes. See District website or Fact Fluency Practice Options for ideas.</p>	<p>it and upload it to Google Classroom.</p>
<p><b>Wednesday:</b> Division Fact Practice</p> <p>Today, your math mission is to check out the Division Fact Menu and select <i>at least</i> one method of practicing your math facts for today!</p>	<p>Division Fact Practice Menu</p>	<p>Send in a picture of you practicing your facts!</p> <p>Or, if anyone has another creative way to practice their division facts, share them with me please!</p>
<p><b>Thursday:</b> Partial Quotients with an Area Model for Division (graph paper to sketch)</p> <p>TODAY is a LIVE lesson, students will work on problems with teachers. (Practice problems available for those who could not attend.)</p> <p>Practice Multiplication or Division Facts</p>	<p>You will work with your teacher to solve division problems using an open sketch as an area model.</p> <p>Choose a game or activity to practice facts for 5 - 10 minutes. See District website or Fact Fluency Practice Options for ideas.</p>	<p>Practice problems</p>
<p><b>Friday:</b> Today your math mission is to solve division problems using a sketch of an area model. You will be successful if you can break the array in large chunks to solve efficiently.</p> <p>Practice Multiplication or Division Facts</p>	<p>Refer to this anchor chart to review the strategies for creating an area model to solve division problems.</p> <p>Choose a game or activity to practice facts for 5 - 10 minutes. See District website or Fact Fluency Practice Options for ideas.</p>	<p>Complete the Solving Division Problems page. When you are finished, take a picture or scan it and upload it to Google Classroom.</p>

**Week criteria for success** (attach student checklists or rubrics):

- I can find the area to help me divide.
- I can use area models and sketches to solve multi-digit division problems.

**Supportive resources and tutorials for the week** (plans for re-teaching):

Division Using Graph Paper Video

Division Using the Area Model video

Divide Using the the Area Model

Khan Academy Video on the Area Model

Area Model for Division Anchor Chart

Division Fact Practice: from the MLC Practice Book pages 13, 17, 23, 53, 57 (bottom), 59 (top), 65 (top), 87 (bottom), 136

Bridges Student Book pages 224- 225

Division Using the Area Model Practice